I CLAIM:

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1.	A computer-implemented method for user interface automation
synchronization	on, comprising:

sub-classing selected windows displayed on the user interface, wherein each of the selected windows corresponds to a message-queue of a thread;

setting timers corresponding to each of the selected windows;

determining whether a particular timer associate with one of the selected windows has fired; and

determining whether the message-queues of the threads are empty, such that when the message-queues are empty, the user interface automation proceeds to a next action.

- 2. The computer-implemented method of claim 1, further comprising calling a synchronization application program interface to initiate sub-classing of the selected windows.
- 3. The computer-implemented method of claim 1, further comprising calling a wait application program interface to determine whether the message-queues of the threads are empty.
- 4. The computer-implemented method of claim 3, wherein message-queues of the threads are indicated as empty when the user interface automation is waiting on the call to the wait application program interface.
 - 5. The computer-implemented method of claim 1, wherein sub-classing a selected window corresponds to replacing window procedure code corresponding to the selected window with user interface automation code.
- 25 6. The computer-implemented method of claim 1, wherein the timers corresponding to each of the selected windows are set to zero.

- 7. The computer-implemented method of claim 1, wherein a determination that a particular timer associated with one of the selected windows has fired indicates that a message-queue corresponding to the one of the selected windows is empty.
- 8. The computer-implemented method of claim 1, further comprising setting timers corresponding to system activities.
 - 9. The computer-implemented method of Claim 8, further comprising additionally determining whether the message-queues of threads corresponding to the system activities are empty before the user interface automation proceeds to a next action.
- 10. A computer-readable medium that includes computer-executable
 10 instructions for providing user interface automation synchronization, comprising:

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hooking selected windows displayed on the user interface to correspond to user interface automation code, wherein each of the selected windows corresponds to a message-queue of a thread;

setting timers corresponding to each of the selected windows;

determining whether a particular timer associate with one of the selected windows has fired; and

determining whether the message-queues of the threads are empty, such that when the message-queues are empty, the user interface automation proceeds to a next action.

- 20 11. The computer-readable medium of claim 10, further comprising calling a synchronization application program interface to initiate sub-classing of the selected windows.
 - 12. The computer-readable medium of claim 10, wherein hooking selected windows further comprises sub-classing selected windows such that window procedure code corresponding to the selected window is replaced with user interface automation code.

- 13. The computer-readable medium of claim 10, wherein hooking selected windows further comprises attaching a dynamic link library to window procedure code corresponding to the selected window.
- The computer-readable medium of claim 10, further comprising calling a
 wait application program interface to determine whether the message-queues of the threads are empty.
 - 15. The computer-implemented method of claim 14, wherein message-queues of the threads are indicated as empty when the user interface automation is waiting on the call to the wait application program interface.
- 16. The computer-implemented method of claim 10, wherein a determination that a particular timer associate with one of the selected windows has fired indicates that a message-queue corresponding to the one of the selected windows is empty.
 - 17. A system for synchronizing user interface automation, comprising: an application that includes an application program interface that is configured to:

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hook selected windows displayed on the user interface to correspond to user interface automation code, wherein each of the selected windows corresponds to a message-queue of a thread;

set timers corresponding to each of the selected windows;

determine whether a particular timer associate with one of the selected windows has fired; and

determine whether the message-queues of the threads are empty, such that when the message-queues are empty, the user interface automation proceeds to a next action.

- 18. The system of claim 17, wherein the application program interface is further configured to call a wait application program interface to determine whether the message-queues of the threads are empty.
- 19. The system of claim 17, wherein message-queues of the threads are
 5 indicated as empty when the user interface automation is waiting on the call to the wait application program interface.
 - 20. The system of claim 17, wherein the application program interface is further configured to set the timers corresponding to each of the selected windows to zero.
 - 21. The system of claim 17, wherein the application program interface is further configured to set timers corresponding to system activities.

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22. The system of claim 21, wherein the application program interface is further configured to additionally determine whether the message-queues of threads corresponding to the system activities are empty before the user interface automation proceeds to a next action.